

WHAT IS CLAIMED IS:

1. A substrate support member of an FPD manufacturing apparatus, comprising:

a substrate support plate on which a glass substrate is horizontally put ,
5 the substrate support plate having a plurality of vertical through-holes, each of
the vertical though-holes having an upper distal portion of a shape of a reverse
cone; and

a plurality of lift pins being inserted into the respective vertical
though-holes, the lift pins being moved up and down so that the substrate 40 is
10 raised from the substrate support plate or put down on the substrate support
plate, each of the lift pins having an upper distal portion of a shape of a
reverse cone to comply with the upper distal portion of the corresponding
vertical through-hole.

15 2. The substrate support member of an FPD manufacturing apparatus
according to claim 1, wherein the lift pins are made up of a material which is
the same as that of the substrate support plate.

3. The substrate support member of an FPD manufacturing apparatus
20 according to claim 1, wherein the lift pins and the substrate support plate are
made up of a metal.

4. The substrate support member of an FPD manufacturing apparatus
according to claim 1, wherein the lift pins are electrically connected to the

substrate support plate.

5. The substrate support member of an FPD manufacturing apparatus according to claim 4, wherein the lift pins are electrically connected to the
5 substrate support plate by additional connection lines.

6. The substrate support member of an FPD manufacturing apparatus according to claim 4, wherein the lift pins are electrically connected to the substrate support plate by removing some portion of an insulating material
10 provided on an exterior of the substrate support plate.

7. The substrate support member of an FPD manufacturing apparatus according to claim 1, wherein the lift pins are disposed to support a central portion of the substrate.